


MECHANICAL COMPLIANCE SUMMARY

2021 WSEC Compliance Forms for Commercial Buildings including Group R2, R3 & R4 over 3 stories and all R1

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Project & Applicant Information	Project Title	Absher HP-06 - 2021 WSEC	For Building Department Use:  PRMH20241150	Date: Jul 17, 2024
	Project Address	1001 Shaw Rd Puyallup, WA 98372		
	Applicant Name	Jerry Williams		
	Applicant Phone	253-572-9484		
	Applicant Email	jerryw@asei.ws		

For questions about this report, contact WSEC Commercial Technical Support at 360-539-5300 or via email at com.techsupport@waenergycodes.com

General Occupancy	All Commercial	General Building Use Type	Office, Other	Building Cond. Floor Area	800	
General Project Types	Alteration	New Building or Addition Mechanical Scope	Alteration Mechanical Scope	Single Zone Systems & Equipment	Project Cond. Floor Area	800
					Floors Above Grade	1
					Compliance Method	General Prescriptive
Mechanical Project Description	Replace existing split system Heat Pump with New					

Mechanical Compliance Scope and Method	Project Type	Mechanical Scope	Economizer Exception(s) Applied?	DOAS Ventilation Provided?	Higher Equipment Efficiency Option Applied?	Equipment Efficiency Compliance Verification
	Alteration	Single Zone Systems & Equipment	Yes No	No	NA	COMPLIES
Additional Energy Efficiency (AEC) Measures Included	No mechanical additional energy efficiency measures included in project		Load Management (LDM) Measures Included		No mechanical load management measures included in project	
Additional Efficiency Credits Included (AEC)						
Does building include occupancy classifications requiring DOAS?	No		Does project include DOAS equipment?			No
Based on project scope do TSPR requirements apply?	No		Do all systems comply with Appendix D standard reference design or qualify for an exception to TSPR?			No

Scope & Space Conditioning	ALTERATION - SINGLE ZONE SYSTEMS & EQUIPMENT	Compliance Verification	COMPLIES
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Single Zone Air Systems Category - Heat pump, split & single package, SC, SDHV

Air Systems Summary Information

System/Equip ID	Quantity of Items	Supply Airflow Control	Ventilation Standard	Ventilation CFM (Total if Multiple Items)	Ventilation Air Source	Paired with DOAS	Ventilation energy recovery	Energy Recovery Efficiency (%)
HP-6A / HP-6B		Constant volume	IMC Ventilation	200	Integral		Not provided, not required	

Air Systems & Equipment - Cooling

System/Equip ID	Cooling System/Equip Type	Specific Type	Cooling Capacity per item (Btu/h)	Econo Full Load Multiplier (Full/IPLV)	Required Cooling Efficiency (Code Min & Econo)	Proposed Cooling Efficiency	CE Units	Efficiency Compliance Verification
HP-6A / HP-6B	Heat pump, air cooled	Split system	34,800	0	13.4	14.6	SEER2	COMPLIES

Air Systems & Equipment - Heating

System/Equip ID	Heating System/Equip Type	Specific Type	Heat Pump Heating Capacity (Btu/h)	Cooling Capacity (Btu/h)	AEC Efficiency Multiplier	Proposed Heat Pump Heating Efficiency	HPH Units	Proposed Low OSA Temp Efficiency	LTH Units	Efficiency Compliance Verification
HP-6A / HP-6B	Heat pump, air cooled, heating	Split system	32,000	34,800	1	7.8	HSPF2		COP	COMPLIES

Air Systems & Equipment Details

System/Equip ID	Discrete Area(s) Served	Location In Project Documents - Plan/Detail #	System/Equip Compliance Path
HP-6A / HP-6B	Office Areas	M1 & M2	General Prescriptive
System/Equip ID for a single or multiple items?: Single item			
Heating Section/Auxiliary Heating Type: Electric resistance (or None)			Economizer Compliance Method: Air-side economizer provided

	WSEC Equip Efficiency Reference Table - Cooling: Table C403.3.2(2) Unitary Heat Pumps	
	Proposed Low OSA Temp Efficiency:	LTH Units: COP
	WSEC Equip Efficiency Reference Table - Heating: Table C403.3.2(2) - Unitary Heat Pumps	